



Vice Admiral Joe Dyer USN, (Ret)

- Aerospace Safety Advisory Panel Chair
- Executive VP/General Manager, Military Government & Industrial Division, iRobot Corporation
- Former Commander, Naval Air Systems Command

Vice Admiral Joseph W. Dyer was commissioned through the Aviation Reserve Officer Candidate Program following graduation from North Carolina State University with a bachelor of science degree in chemical engineering. He subsequently earned a master of science degree in financial management from the Naval Post Graduate School, Monterey, CA. He received his wings in March 1971, and was selected as one of the first "Nuggets" (first tour aviators) to fly the Mach 2, RA-5C *Vigilante*. He flew nationally tasked reconnaissance missions in both the eastern and western hemispheres.

From April 1991 to December 1993, he was the Navy's chief test pilot. January 1994 to April 1997, he served as F/A-18 program manager leading the engineering and manufacturing development (E&MD) effort on the new F/A-18E/F, the continued production and fleet support of the F/A-18C/D and all F/A-18 foreign military sales. The F/A-18 program won the Department of Defense Acquisition Excellence Award and the Order of Daedalian during this period. Admiral Dyer was assigned as the Commander, Naval Air Warfare Center Aircraft Division, Patuxent River, in July 1997 and one month later assumed additional responsibilities as the Naval Air Systems Command, Assistant Commander for Research and Engineering. In June 2000, he was assigned as the Commander, Naval Air Systems Command.

Admiral Dyer is executive vice president and general manager of the iRobot Corporation's Military Government & Industrial Division. In this position, he works closely with the U.S. Department of Defense to develop reconnaissance robots that will change the way wars are fought in the future.



Dr. Dan Crippen

- Former Director of the Congressional Budget Office
- Member of NASA Stafford-Covey Return to Flight Task Group

Dr. Dan Crippen has a strong reputation for objective and insightful analysis. He served, until January 3rd 2004, as the fifth Director of the Congressional Budget Office. His public service positions also include Chief Counsel and Economic Policy Adviser to the Senate Majority Leader (1981-1985); Deputy Assistant to the President for Domestic Policy (1987-1988); and Domestic Policy Advisor and Assistant to the President for Domestic Policy (1988-1989), where he advised the President on all issues relating to domestic policy, including the preparation and presentation of the federal budget. He has provided service to several national commissions, including membership on the National Commission on Financial

Institution Reform, Recovery and Enforcement.

Dr. Crippen has substantial experience in the private sector as well. Before joining the Congressional Budget Office, he was a principal with Washington Counsel, a law and consulting firm. He has also served as Executive Director of the Merrill Lynch International Advisory Council and as a founding partner and Senior Vice President of The Duberstein Group.

Dr. Crippen received a bachelor of arts degree from the University of South Dakota in 1974, a master of arts from Ohio State University in 1976, and doctor of philosophy degree in public finance from Ohio State in 1981.



Dr. Amy Donahue

- Assistant Professor of Public Administration at the University of Connecticut Department of Public Policy
- Member of NASA Stafford-Covey Return to Flight Task Group

Dr. Amy K. Donahue is assistant professor of public policy at the University of Connecticut, where she teaches in the master of public administration and master of survey research programs. Her research focuses on the productivity of emergency services organizations and on the nature of citizen demand for public safety services. She is author of published work about the design, management, and finance of fire departments and other public agencies. For the past two years, Dr. Donahue has served as a technical advisor to the Department of Homeland Security's Science and Technology Directorate, helping to develop research and development programs to meet the technological needs of emergency responders. From 2002-2004, Dr. Donahue served as senior advisor to the Administrator for Homeland Security at the National Aeronautics and Space Administration (NASA). She was the agency's liaison to the Department of Homeland Security and the Homeland Security Council and identified opportunities for NASA to contribute to homeland security efforts across government. In 2003, Dr. Donahue spent three months in Texas helping manage the Columbia recovery operation, an intergovernmental response that involved 450 organizations and 25,000 responders. Prior to her affiliation to the University of Connecticut, Dr. Donahue was a senior research associate at the Alan K. Campbell Public Affairs Institute at Syracuse University. She also has many years of training and field experience in an array of emergency services-related fields, including managing a 911 communications center, and working as a firefighter and emergency medical technician in Fairbanks, Alaska and upstate New York. As a Distinguished Military Graduate of Princeton's Reserve Officer Training Corps, she served in the U.S. Army on active duty for four years in the 6th Infantry Division, rising to the rank of Captain. Dr. Donahue holds her Ph.D. in public administration and her M.P.A. from the Maxwell School of Citizenship and Public Affairs at Syracuse University. Her B.A. from Princeton University is in geological and geophysical sciences.



Dr. Augustine Esogbue

- Professor and Director, Intelligent Systems & Controls Laboratory, School of Industrial and Systems Engineering, Georgia Institute of Technology

Professor Esogbue joined the faculty of the Georgia Institute of Technology (Georgia Tech) in June 1972 as an associate professor of industrial and systems engineering under a joint appointment with the Health Systems Research Center. Since his promotion to the rank of full professor, with tenure, in the School of Industrial and Systems Engineering at Georgia Tech in 1977, he has held many leadership positions including the director of the Intelligent Systems and Controls Laboratory, and founder and director, Minority Undergraduate Scholars Engineering Research Program (MUSERP) at Georgia Tech. Professor Esogbue holds the prestigious position of honorary professor at Daqing Petroleum Institute, Heilongjiang Province, China. Professor Esogbue was formerly Chancellor's Distinguished Professor of industrial engineering and operations research and management sciences at the University of California, Berkeley, an assistant professor of operations research and member of the Systems Research Center at Case Western Reserve University in Cleveland Ohio. Additionally, he has held honorary appointments as adjunct professor of community medicine, Morehouse School of Medicine and in the Department of Mathematical and Computer Sciences at Atlanta University, Columbia University Seminars in Water Resources and Pollution Faculty, and professor in residence at Howard University.

Professor Esogbue is the author of 4 books, 18 book chapters, over 150 technical publications and nearly 300 technical presentations world- wide. In recognition of his accomplishments, he has been elected Fellow of the following 5 reputable organizations: the American Association for the Advancement of Science (AAAS), the Institute of Electrical and Electronic Engineers (IEEE), the Nigerian Academy of Sciences (NAS), the African Scientific Institute (ASI), and the Kerr L White Institute for Health Services Research (KLWI). Professor Esogbue was honored as the first recipient of the Golden Torch Award for Lifetime Achievement in Education given by the National Society of Black Engineers, the premier award recognition for African Americans in science, engineering and technology. Dr. Esogbue was also named as the first recipient of the Andrew P. Sage Best Paper of the Year Award given by IEEE-Systems, Man, and Cybernetics Society in 1999. His accomplishments are chronicled in several Who's Who publications including Who's Who in the World, International Who's Who in Engineering, American Men and Women of Science, Who is Who in Technology, The International Directory of Distinguished Leadership, International Who's Who of Intellectuals, and Who's Who Among African Americans.

His research and consulting interests include dynamic programming, fuzzy sets, decision-making and control in a fuzzy environment, and operations research with applications to socio-technical systems such as health care, water resource management and disaster control planning. As the Director of the Intelligent Systems and Controls Laboratory he is investigating a hybrid approach to intelligent control via fuzzy sets, neural networks, and reinforcement learning theories as well as its application to various large-scale, nonlinear and uncertain dynamical systems. He has conducted numerous funded research projects for various agencies including NSF, EPRI, NASA, Agency for Health Research and Quality (AHRQ), Army Research Office (ARO), and NIH. Current applied research activities are directed at patient safety enhancement via systems technology imperatives.

Dr. Esogbue has a record of prolonged service to various communities including the National Society of Black Engineers (National Advisor since 1989), Atlanta Sister Cities Commission

(Commissioner since 1975), Leadership Atlanta Development Corporation (Leadership Atlanta, 1979), Georgia Council on International Visitors (Trustee, 2001), Georgia Goodwill Ambassador Corps (Outstanding Citizen, 2001), the Georgia Tech Athletic Board (Trustee, 2000), and the 100 Black Men of America. (1990, Chair, Collegiate 100).



Major General Rusty Gideon, USAF (Ret)

- Former Commander, Air Force Safety Center and Chief of Safety for USAF

Major General Francis (Rusty) C. Gideon, Jr. graduated from the U.S. Air Force Academy in 1966 with a bachelor of science degree in engineering sciences. He also earned a master of science degree in systems management from the Air Force Institute of Technology.

General Gideon was the Chief of Safety of the U.S. Air Force, and Commander, Headquarters Air Force Safety Center, Kirtland Air Force Base, N.M. He served as the senior uniformed adviser to the Chief of Staff and the Secretary of the Air Force on all issues involving the safety of a combined active duty, guard, reserve and civilian force of more than 700,000 people serving approximately 2,300 locations in the United States and overseas.

His career has touched many aspects of the Air Force mission as fighter pilot and experimental test pilot, and in acquisition, intelligence and logistics. His assignments spanned the globe from Thailand to England. He commanded one of the Air Force's three test wings and its center for scientific and technical intelligence. He is a command pilot with almost 3,000 hours flying in 30 kinds of aircraft. He was a A-10 test pilot and flew 220 combat missions in Southeast Asia in F-100s and F-4s.



Ms. Deborah Grubbe, P.E.

- Former consultant, Columbia Accident Investigation Board
- Vice President – Group Safety; BP p.l.c.
- DuPont Corporate Director – Safety and Health (retired)

Ms. Deborah L. Grubbe is vice president – Group Safety, for BP plc. Based in London, she is accountable for providing global safety leadership in all business areas; exploration and production, refining and marketing, gas, solar, and renewables. Formerly, Deborah was employed by DuPont in Wilmington Delaware, USA, where she held corporate director positions in safety, operations, and engineering. Her many assignments have included capital project implementation, strategic safety assessments, manufacturing, management, and human resources.

Deborah received a bachelor of science degree in chemical engineering from Purdue University and was a Winston Churchill Fellow at the University of Cambridge, England. She is the former co-chair of the Benchmarking and Metrics Committee of the Construction Industry Institute, and is vice chair of the National Institute of Standards and Technology Visiting Committee on Advanced Technology. As part of the National Research Council, she

has also advised the US Army on the demilitarization of the US chemical weapons stockpile. In 2002, Ms. Grubbe was honored as Engineer of the Year in the State of Delaware.



Mr. John Marshall

- Independent Aviation Consultant
- Former Delta Airlines, Vice President Corporate Safety and Compliance

Mr. John C. Marshall is an independent aviation consultant who formerly was vice president - Corporate Safety and Compliance for Delta Air Lines. Mr. Marshall had responsibility for six departments at Delta, including Flight Safety, Industrial Safety, Environmental Services, Emergency Planning and Operations, Safety Analysis and Quality Assurance, and Security. Inherent in these organizations are FAA, DOT, DoD, OSHA, EPA, TSA, and DHS compliance-driven programs for accident prevention, accident investigations, accident response, and a wide range of security programs. He also has collateral responsibilities for integrating safety, compliance, and security programs for Delta's wholly-owned subsidiaries including Comair, Atlantic Southeast Airlines, Delta Global Services, and Delta Technologies, into Delta's mainstream programs. Under his leadership, Delta routinely was recognized for industry-leading programs focused on reducing aircraft mishaps, employee injuries, and aircraft ground damages, while enhancing environmental compliance programs and fostering the highest standards of security for world-wide commercial airline operations.

Mr. Marshall recently served as the industry co-chair of the Commercial Aviation Safety Team (CAST). CAST is a joint industry-government program to develop and implement an integrated, data-driven strategy to reduce the U.S. commercial aviation fatal accident rate by 80 percent by 2007. Participants include aircraft and engine manufactures, passenger and cargo airlines, labor unions, Flight Safety Foundation, Air Transport and Regional Airline Associations, NASA, DoD, and the FAA. Mr. Marshall is also the past Chairman of the Air Transport Association of America's Safety Council and the Society of Automotive Engineer's Aerospace Symposium. He currently serves on boards for the National Defense Transportation Association's Military Subcommittee, Safe America (a nation-wide non-profit organization focusing on safety awareness), the Flight Safety Foundation, and the Nature Conservancy's International Leadership Council.

Mr. Marshall gained world-wide aviation experience through his 26-year aviation career with the U.S. Air Force. His Air Force assignments included duties as a fighter pilot, special assistant to the Air Force Vice Chief of Staff, fighter squadron commander, base commander, and fighter wing commander. During his career, he primarily flew F-4s, F-15s, A-10s, and F-16s, but has experience in a variety of other aircraft as well. Mr. Marshall later served as the Inspector General of the Pacific Air Forces and then became the Director of Operations of the Pacific Air Forces. While in the Pacific, he oversaw the safe and efficient operations of over 400 combat aircraft, including developing plans and policies used for executing his command's annual flying program. In his last assignment, he served as the United State's Director of Security Assistance for the Middle East where he was responsible for all sales, marketing, training, and logistic support between the United States and eleven countries in the Middle East, Africa, and Southwest Asia during and immediately after the Gulf War.

Mr. Marshall received his Bachelor's degree in civil engineering from the Air Force Academy in Colorado. He also is a graduate from the National War College, holds a master of arts

degree in personnel management from Central Michigan University, and a master of science degree in civil engineering (environmental) from the University of Hawaii.



Mr. Steve Wallace

- Former member of Columbia Accident Investigation Board
- Director, Office of Accident Investigation, Federal Aviation Administration

Mr. Steven B. Wallace was named Director of the FAA Office of Accident Investigation in May, 2000. He has overall responsibility for FAA accident and incident investigation activities, related training and quality control programs, and for implementation of corrective measures based on investigation findings.

From 1991-2000, Mr. Wallace was the FAA's senior representative at the U.S. Embassy in Rome, Italy, serving as the principal FAA contact for civil aviation authorities and the aviation industry in a 29-country geographic area spanning Central Europe, the Mediterranean and the Middle East.

From 1984-91, Mr. Wallace was manager of the FAA's Transport Airplane Directorate Standards Staff in Seattle, a group of engineers, pilots, and technical writers responsible for developing requirements for certification of transport aircraft.

Mr. Wallace began his FAA career as an attorney in the New York (1976-79) and Seattle (1979-84) Regional Offices. He holds a bachelor of science degree in psychology from Springfield College, a Juris doctor degree from St. John's University School of Law, and is admitted to legal practice before New York State and Federal courts. A licensed pilot since 1977, Mr. Wallace holds a commercial pilot's license with multi-engine and instrument ratings.



Mr. Rick Williams

- Alcoa Corporate Safety Director

Mr. Rick E. Williams is corporate safety director at Alcoa, responsible for developing strategies to improve the company's global safety performance, while also providing technical support and guidance on safety issues to Alcoa business leaders. In this role, he also shares the Alcoa safety experience with customers and other external organizations.

Mr. Williams has over 25 years of experience in manufacturing including roles in operations, human resources, safety, and community and government affairs. He has served in plant, business unit and corporate assignments. Prior to his current assignment, Mr. Williams was the director of human resources for Alcoa Primary Metals located in Knoxville Tennessee. In this role, he led the integration efforts of both the Alumax and Reynolds acquisitions into the

Alcoa Primary Metals organization. Prior to that he served as vice president of human resources for Alumax Primary Metals in Norcross Georgia.

Mr. Williams graduated from the University of Maryland with a bachelors of science degree in business in 1976. He later continued his studies at the University of Maryland, and, in 1994, he received a master of government administration degree in human resources.



Brigadier General Joe Smith, USA – Ex-Officio Member

- Commander, Army Safety Center and Director of Army Safety
- Former Assistant Division Commander (Support), 82nd Airborne Division -Operation Iraqi Freedom, Iraq
- Former Chief of Staff, 10th Mountain Division (Light Infantry) - Operation Enduring Freedom, Afghanistan

Brigadier General Joseph A. Smith is currently serving as both the Director of Army Safety on the Special Staff of the Chief of Staff, US Army, and the Commander of the US Army Safety Center, at Ft. Rucker, Alabama. A Master Aviator with over 2500 flight hours, BG Smith is qualified in the UH-1 Iroquois, UH-60 Blackhawk, MH-60K, OH-58D and the MH-6 Scout aircraft.

BG Smith has served extensively in Army Air Assault, Airborne and Special Operations units to include company level aviation command in both the 101st Airborne Division (Air Assault) and the 160th Special Operations Aviation Regiment (SOAR) (Airborne); battalion level aviation command in both Panama and with the 160th SOAR; and brigade level command with the 10th Aviation Brigade, 10th Mountain Division (Light). BG Smith has served combat tours in Operation Just Cause (Panama), Operation Desert Storm (Kuwait and Iraq), Operation Enduring Freedom (Afghanistan) and Operation Iraqi Freedom (Iraq). He has also served as the Deputy Chief of Staff for Aviation for the United States Special operations command and has peace-keeping experience with Operation Joint Forge (SFOR 6) in Bosnia.